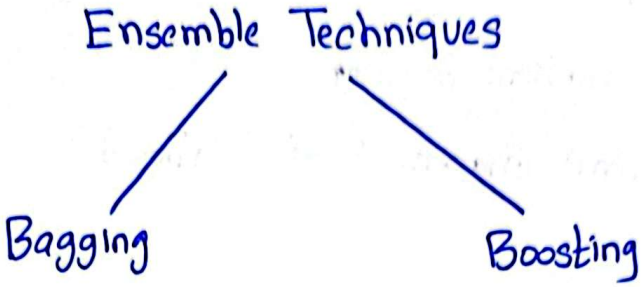
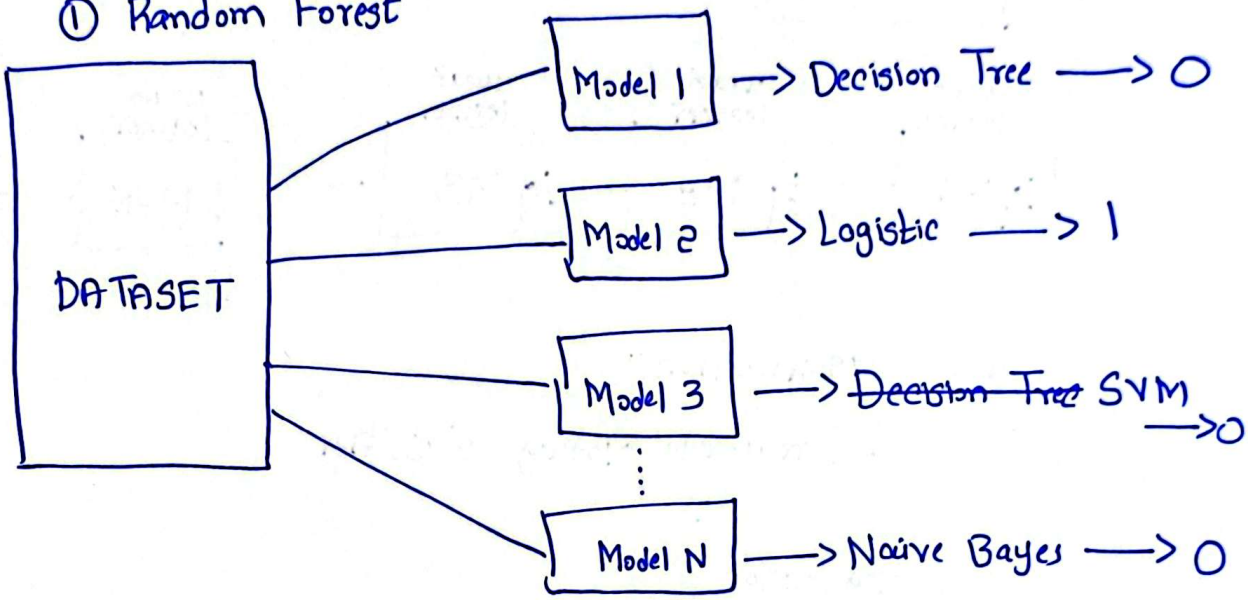
Ensemble Techniques



→ Bagging

① Random Forest



for classification
↳ we will use majority voting classifer

$[0, 0, 0, 0] \Rightarrow 0$

for regression
↳ we will use the average of all classifiers

$[0, 1, 0, 0] = \frac{1}{4} = 0.25$

Key Point: all base learners are trained parallelly

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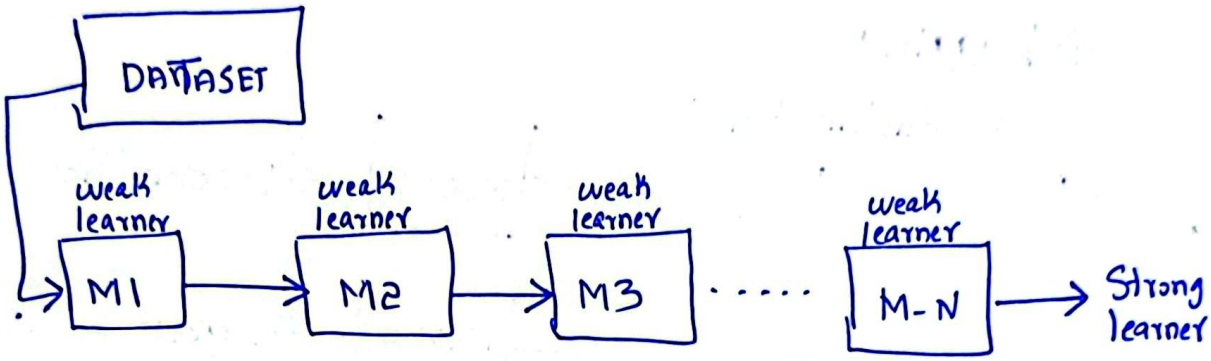
→ Boosting

① Adaboost

② ~~Xgt~~ Gradient Boosting

③ Extreme Gradient Boost (Xgboost)



for classification

↳ majority voting classifier

for regression

↳ average of weak learners

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